



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Monday, April 22, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Today into Tonight

- **Marginal to slight risk of severe thunderstorms with large hail and damaging wind from SE NM across NW TX into SW OK.**
- **Heavy rain/flash flooding possible for Central OK into NW TX and for NE NM.**

## Tuesday through Thursday

- **Marginal to slight risk of severe thunderstorms with large hail and damaging wind across SW/Central TX on Tuesday, S/SE TX on Wednesday, shifting into AR & LA on Thursday.**
- **Heavy rain/flash flooding is possible each day, but is most pronounced over Central OK into NW TX Tuesday and Central/West-Central/North-Central TX on Wednesday.**

## Friday

- **No significant weather expected.**

## River Flooding

- **Moderate to Major river flooding will continue on the Mississippi River in E/SE LA with impacts primarily to shipping/industrial activities, agricultural areas, and secondary roads.**
- **Moderate river flooding is occurring on portions of the Atchafalaya River and the Pearl River in SE LA with impacts to vessel traffic and some buildings, woodlands, and crop acreage near the river.**
- **The Ouachita River at Monroe (in N-Central LA) is forecast to rise to major flood later this week with impacts to lowland areas within the levees, including agricultural and recreational areas.**

# FEMA Region 6 Threat Matrix

Apr 22, 2019 – Apr 26, 2019



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms	SE NM/NW TX/SE OK	SW/Central TX	S-Cntrl & SE TX	AR, LA	
Heavy Rain / Flash Flooding	Central OK/NW TX NE NM	Central OK/NW TX	Cntrl/W-Cntrl/N-Cntrl TX	AR, LA	
Winter Weather					
Fire Weather					
River Flooding	LA	LA	LA	LA	LA
	AR, ETX	AR, ETX	AR	AR	AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

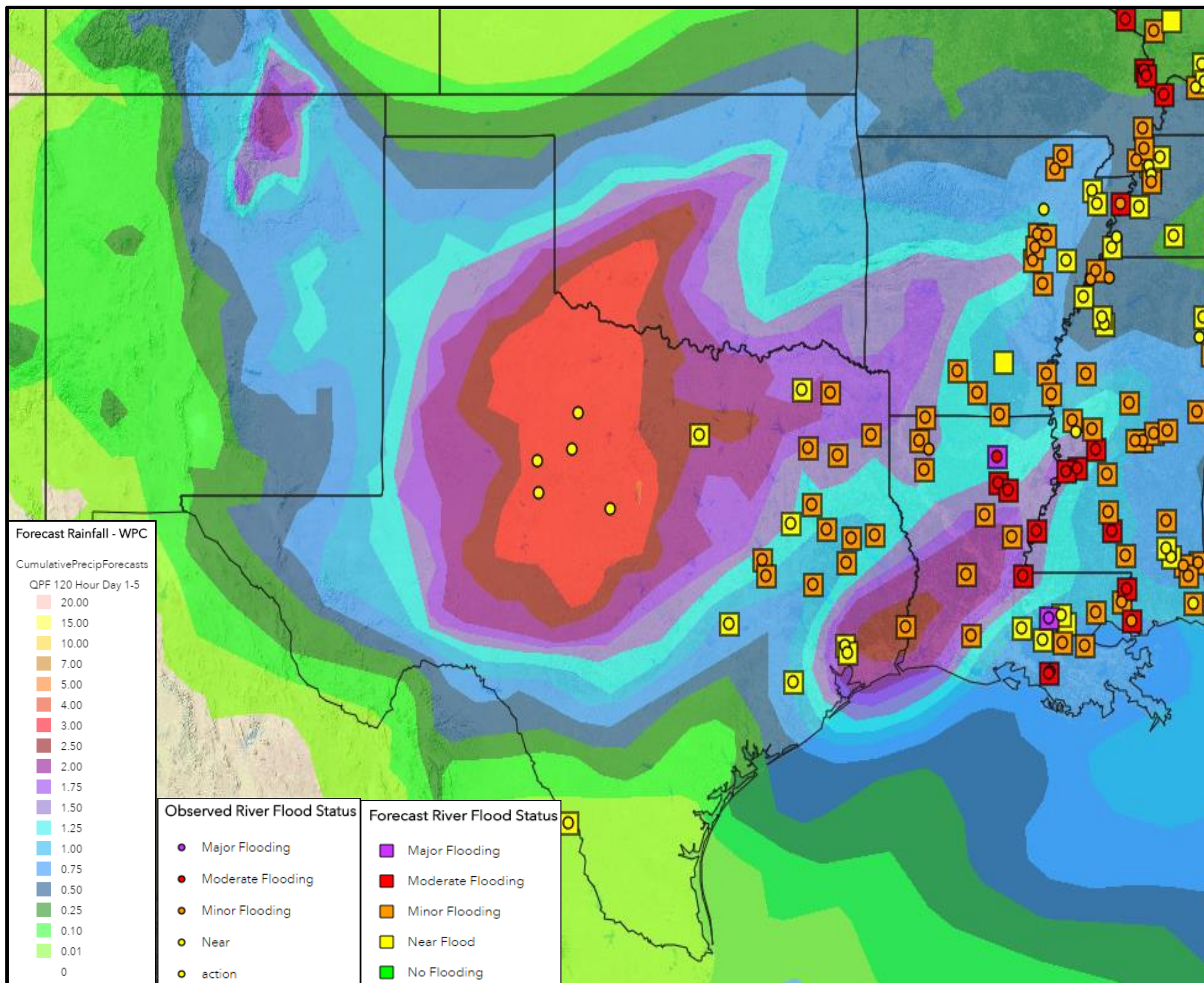


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



- **Moderate to Major river flooding will continue on the Mississippi River in E/SE LA with impacts primarily to shipping/industrial activities, agricultural areas, and secondary roads.**
  - **MS River at Baton Rouge will remain in major flood stage. Shipping and industrial activities are significantly affected.**
  - **The Bonnet Carre Spillway is operating to reduce flow and maintain just under a 17.0ft stage at New Orleans. It will remain open until further notice. No impacts are noted.**
- **Moderate river flooding is occurring on portions of the Atchafalaya River in SE LA with impacts to vessel traffic and some buildings near the river.**
- **The Ouachita River at Monroe (in N-Central LA) is forecast to rise to major flood later this week with impacts to lowland areas within the levees, including agricultural and recreational areas.**
- **The MS River at Osceola (in NE AR) is forecast to rise into moderate flood stage again early this week and crest next weekend. Impacts to secondary roads and agriculture.**
- **Moderate river flooding is occurring on portions of the Pearl River in SE LA with impacts to woodlands and crop acreage along the river.**

**Minor flooding ongoing elsewhere across AR, LA and E TX with no major impacts expected.**



# Today's Weather



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## Forecast Chart

## Forecast Rainfall

**Marginal to slight risk of severe thunderstorms with large hail and damaging wind from SE NM across NW TX into SW OK late this afternoon into tonight.**

**Heavy rain/flash flooding possible this afternoon into tonight for Central OK into NW TX and for NE NM.**

## Severe Weather Outlook

## Excessive Rainfall Outlook



# Watches, Warnings, and Advisories



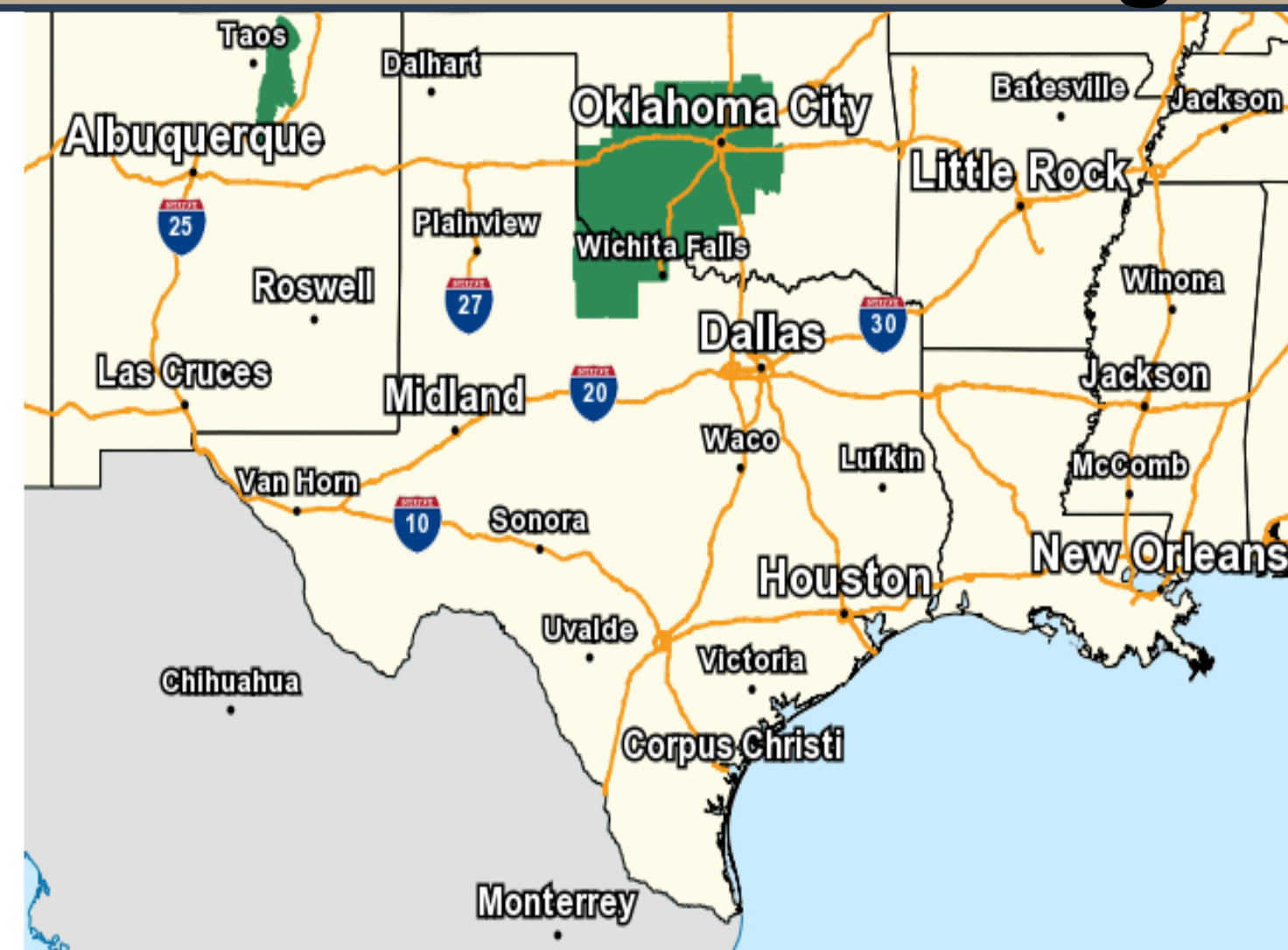
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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

**Flood Watches for heavy rain/flash flooding possible this afternoon into tonight for Central OK into NW TX and for NE NM. Flood Watches continue into Tuesday afternoon for Central OK into NW TX.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created



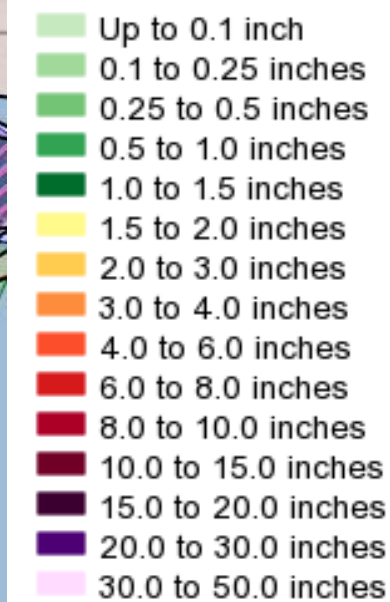
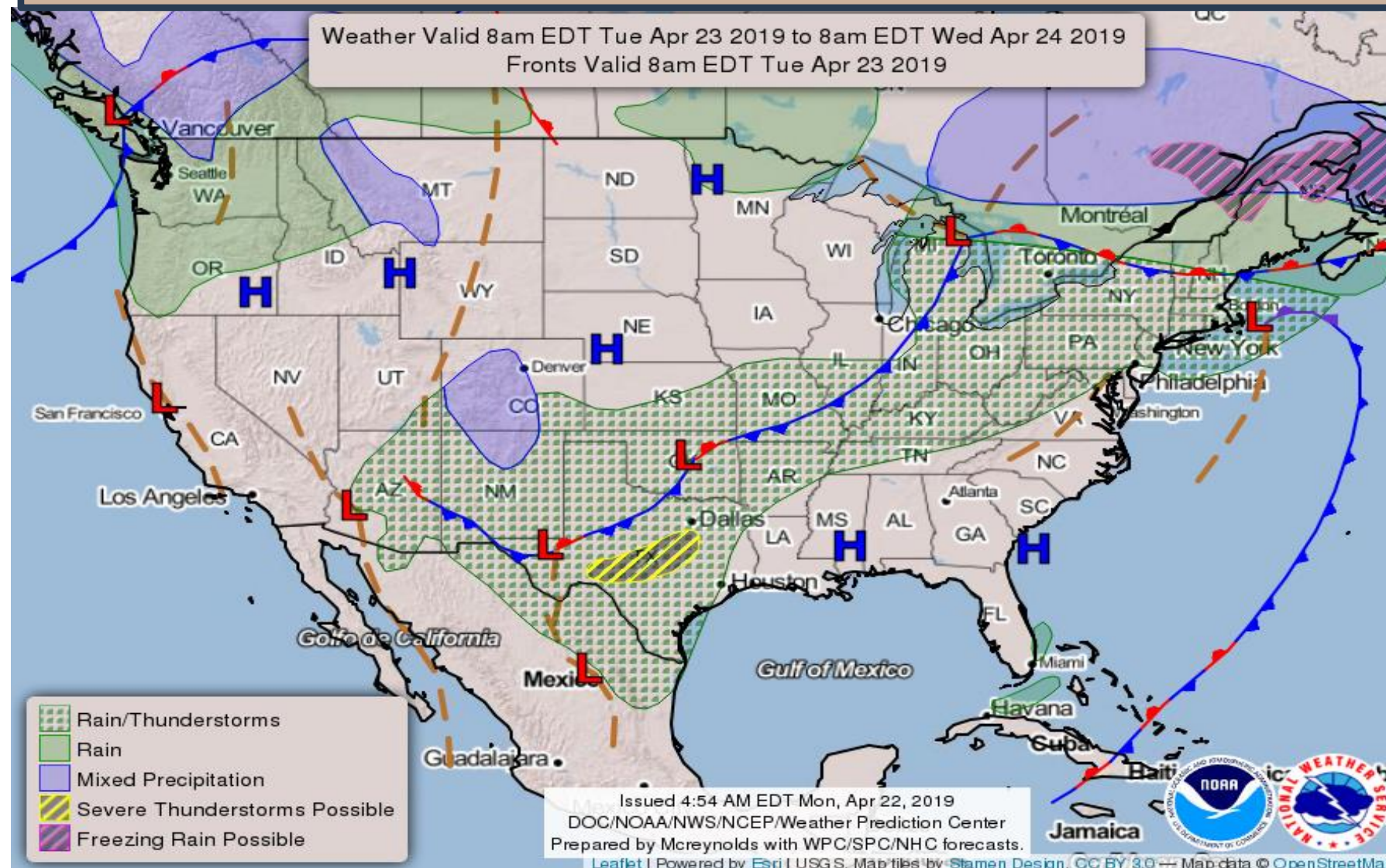
# Tomorrow's Weather



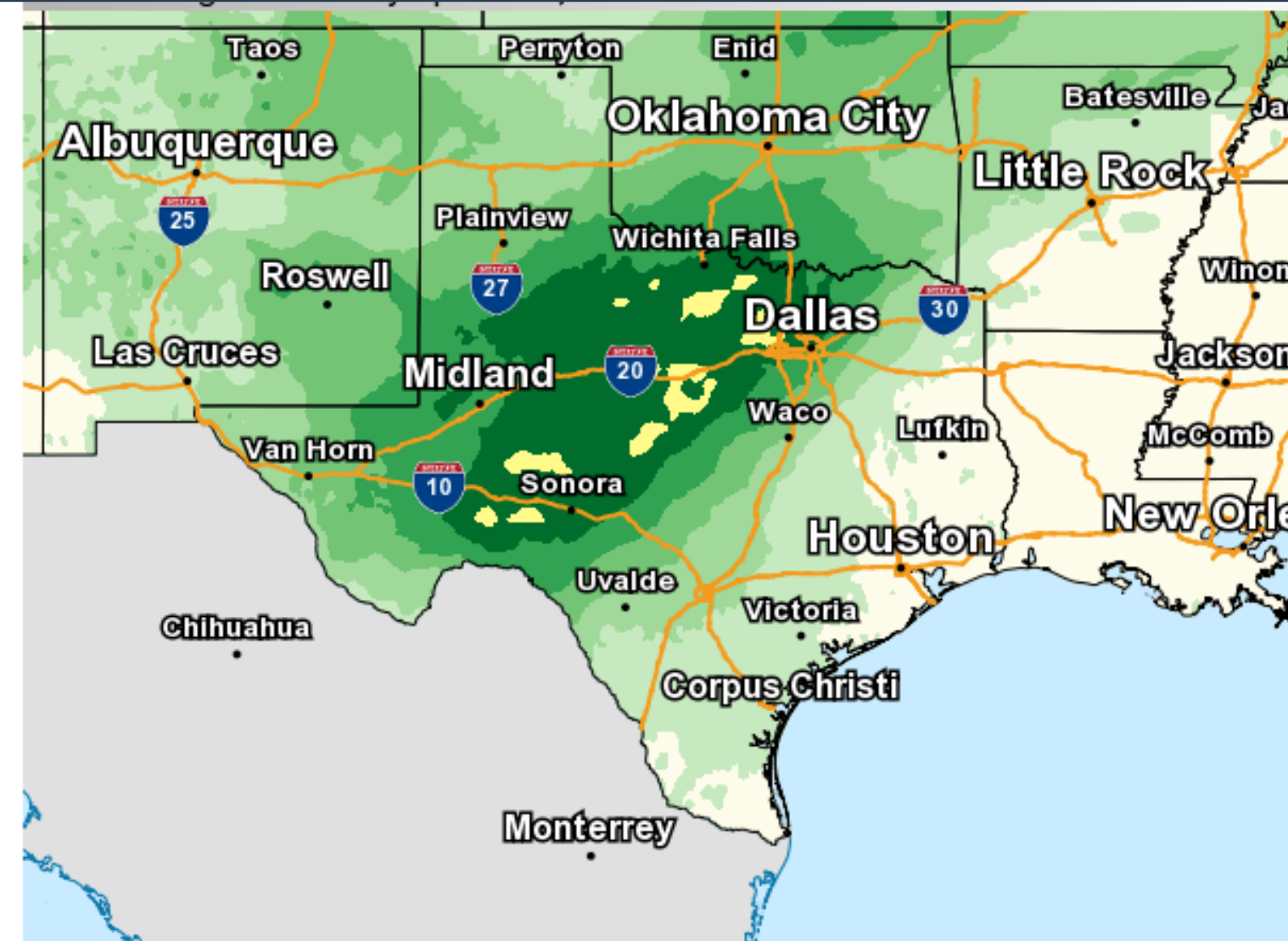
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## Forecast Chart

## Forecast Rainfall



Graphic Created  
April 22nd, 2019  
6:02 AM CDT

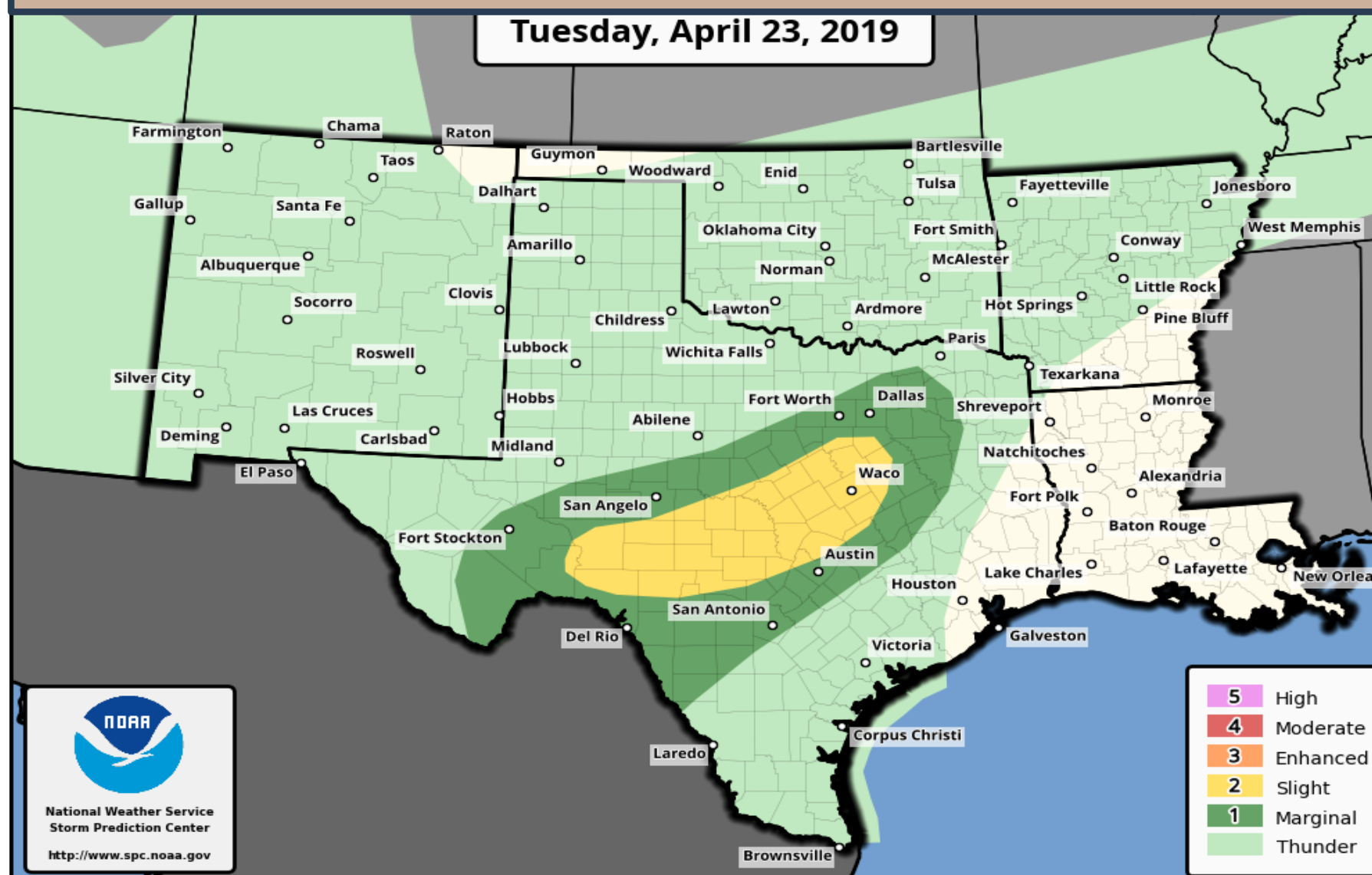


**Marginal to slight risk of severe thunderstorms with large hail and damaging wind across SW/Central TX in the afternoon and evening.**

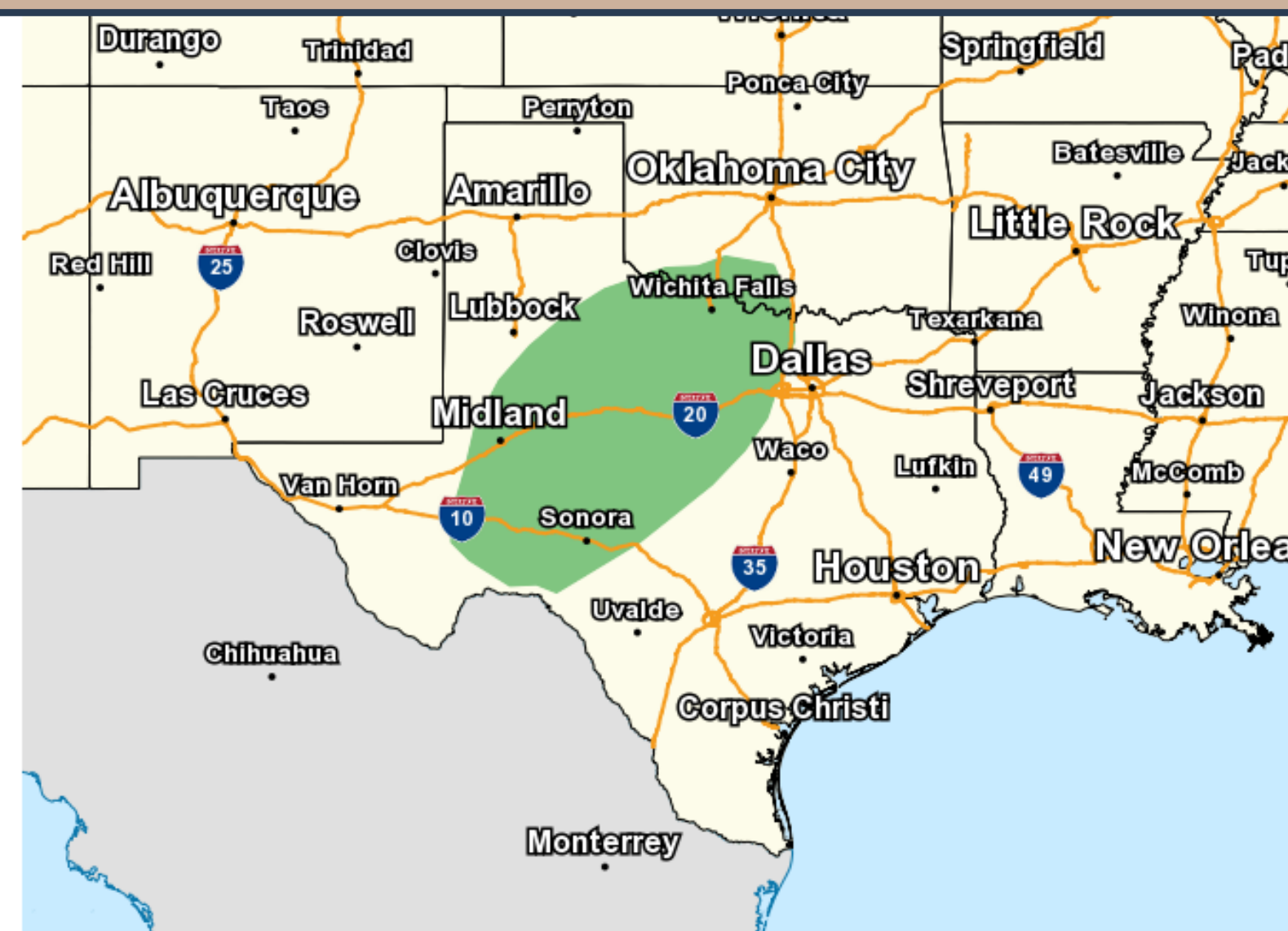
**Heavy rain/flash flooding continues to be possible for Central OK into NWTX Tuesday morning into early Tuesday afternoon and some isolated flash flooding is possible for W TX Tuesday afternoon and evening.**

## Severe Weather Outlook

## Excessive Rainfall Outlook



Graphic Created  
April 22nd, 2019  
AM CDT





# Wednesday's Weather



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## Forecast Chart

## Forecast Rainfall

**Marginal to slight risk of severe thunderstorms with large hail and damaging wind across S/SE TX in the afternoon and evening.**

**Heavy rain/flash flooding possible for portions of Central/West-Central/North-Central TX.**

## Severe Weather Outlook

## Excessive Rainfall Outlook

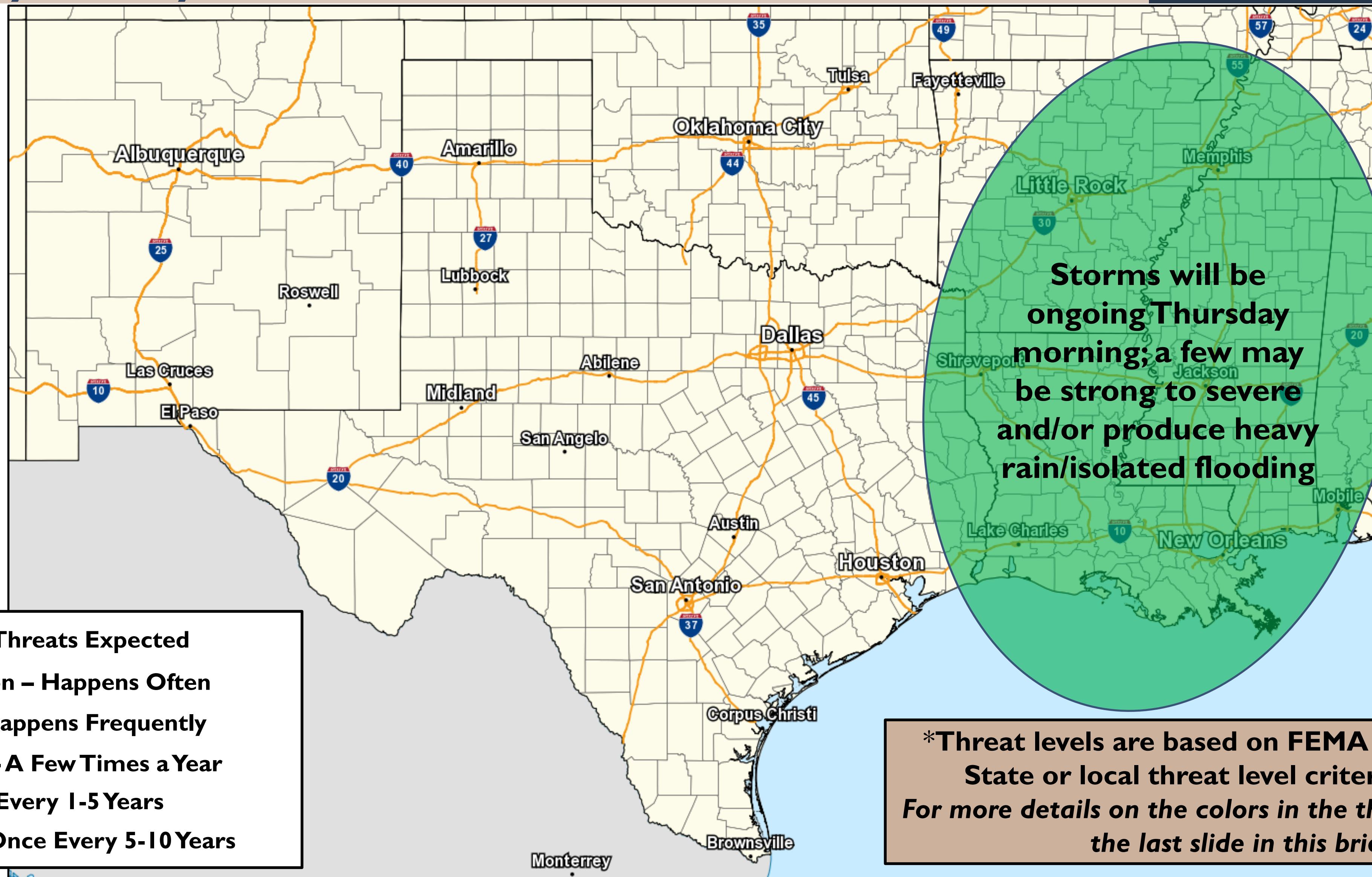


# Days 4-5 Weather Hazards

Thursday - Friday



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**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.\***  
***For more details on the colors in the threat matrix refer to the last slide in this briefing.***

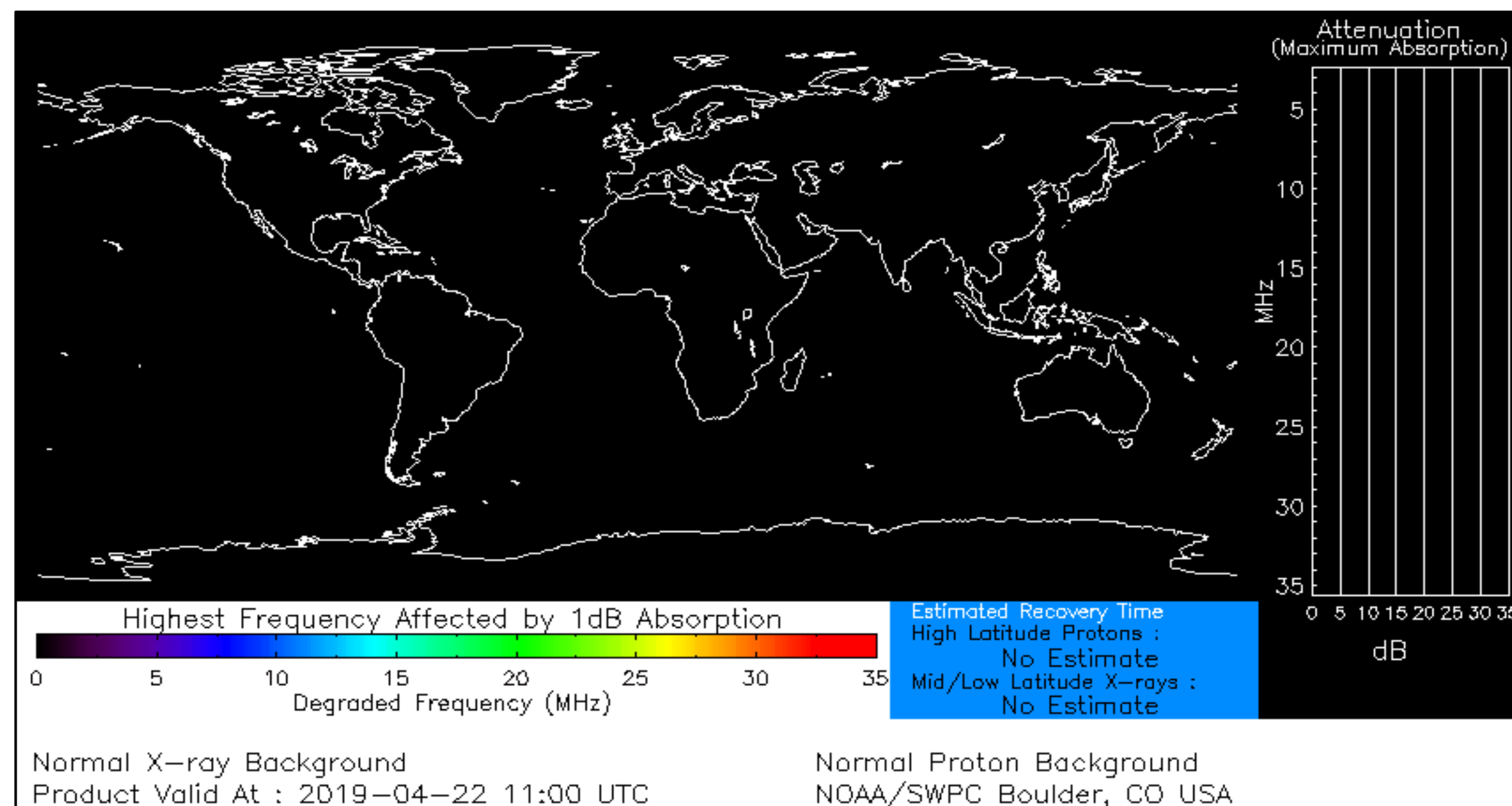


# Space Weather 3-Day Forecast



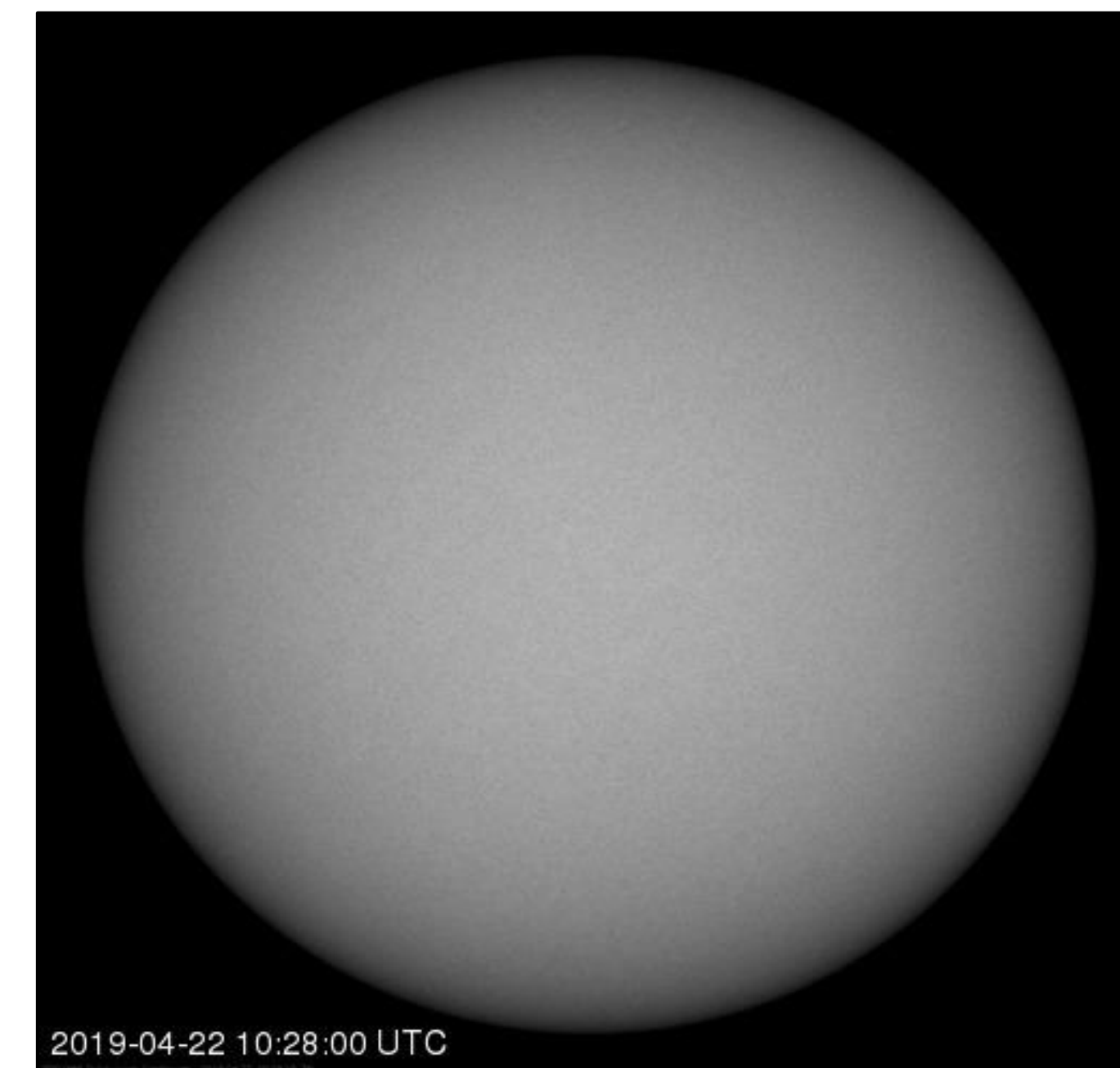
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2019-04-22 10:28:00 UTC





# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**